

➤ Electric Heating Solutions
for Industrial Applications
and Processes



THERMOCOAX
ISOPAD®



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Special Heating Solutions from Experts

Thermocoax and its brand name Isopad offer a wide range of products that have been developed and standardized with and for customers to suit their applications and markets. The products range from heating cables to complete heating systems.

Customized Solutions

The performance range of Isopad includes design concept, development, production and documentation fitted to your requirements. Isopad sets focus on customized solutions from prototyping to small series production.

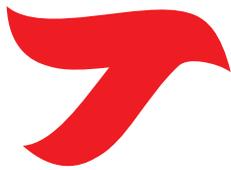
Technologies

We produce our own resistance heating elements based on a diversity of alloys and further process them for use in our products. Variable manufacturing processes enable an independent design and production of the heating element regarding mechanical and electrical properties. Furthermore it creates a broad integration into our products and solutions.

Production Methods

Isopad combines machined production processes such as laser welding of mineral-insulated heating cables or laying of heating elements with manual techniques such as customized tailoring of jackets using sewing or the complete assembly of heating elements.





The level of quality is your key indicator for process control and well performed production technologies. Isopad heating solutions add value to your process.

1 Heating mats

Flexible heating mats are used at optimum on surfaces and objects that require evenly distributed temperature profiles. Isopad offers different versions with a lot of options primarily manufactured using silicone rubber or woven fabrics depending on the application range.

2 Heating cables and tapes

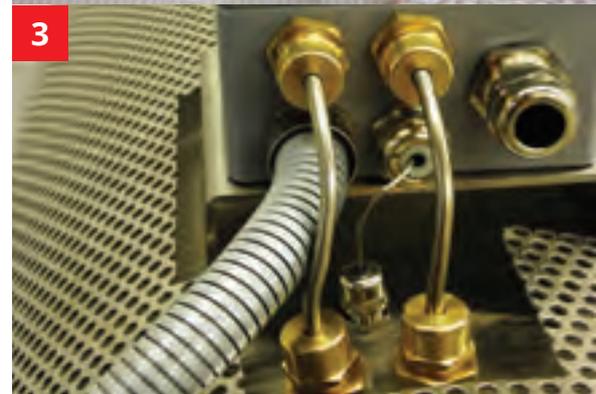
The products are best at inexpensive solutions for installations and if the method needs to be extremely flexible to fit to different geometries. Heating cables and tapes are mainly available factory terminated ready for installation in the form of standard range and special versions.

3 Heating systems

Production processes require a variety of different vessels for media that are available in standard sizes or special designs and which have to be temperature maintained. Isopad offers complete heating systems fitted to these different applications.

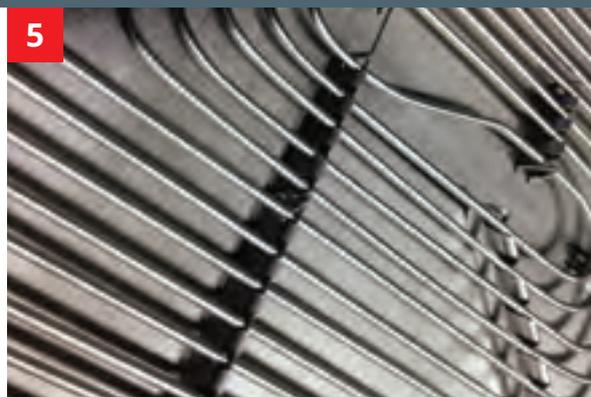
4 Heating jackets

Based on the principle design of heating mats, Isopad manufactures three-dimensional heating solutions in flexible or robust design. Especially for processes with reoccurring accessibility to the application and for complex shapes of the objects to be heated, it is one good alternative to use heating jackets.



5 Radiant heaters

In the industry of vacuum technologies it is most common to use radiant heaters due to their efficiency. Mineral-insulated heating cables are mounted onto metal sheets which are acting as radiators reflecting the heat to where it's needed.



6 Controllers

Processing media depends almost always on the factor of temperature at which they perform best. Isopad offers suited to their products and specialized solutions compact controller units and systems to maintain the process temperature needed and additionally bring safety to the application and operation.



7 Heated hoses

When temperature maintained transport between two contact points has to be flexible it is best to use heated hoses. The hoses are classically equipped with trace heating, insulation and outer protection or they can be designed as an integrative solution to suit your application.



8 Heating plates

Coating processes often require very exact and distinctive temperature profiles. During the design of heating plates Isopad integrates mineral-insulated heating cables to provide an optimum on heat transfer and temperature distribution.



9 Accessories

Installation for many products and solutions require adequate methods and materials such as adhesive foils, tapes or junction boxes that are meeting the industrial standards. For this purpose Isopad provides the right accessories that fit to the quality of the products

